



1998 Toxics Release Inventory

OREGON

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	21,392,056	31,856,544	53,248,600
Air Emissions	16,266,446	227,836	16,494,282
Surface Water Discharges	2,573,110	38	2,573,148
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	24,997	6,105,389	6,130,386
Other On-site Land Releases	2,527,503	25,523,281	28,050,784
Off-site Releases (Transfers Off-site to Disposal)*	1,870,536	21,671	1,892,207
Total On- and Off-site Releases	23,262,592	31,878,215	55,140,807
Recycled On-site	31,674,879	2,530,269	34,205,148
Recycled Off-site	15,126,650	56,598	15,183,248
Energy Recovery On-site	15,244,417	0	15,244,417
Energy Recovery Off-site	2,021,771	34,284	2,056,055
Treated On-site	137,251,954	375,835	137,627,789
Treated Off-site**	14,225,060	962,223	15,187,283
Quantity Released On- and Off-site***	32,818,337	42,969,508	75,787,845
Total Production-related Waste Managed	248,363,068	46,928,717	295,291,785
Total Non-production-related Waste Managed	8,477	1,155	9,632

Transfers Off-site for Further Waste Management/Disposal

Recycling	15,193,877	56,598	15,250,475
Energy Recovery	1,967,429	34,578	2,002,007
Treatment	799,624	997,081	1,796,705
Publicly Owned Treatment Works (POTWs)	13,986,217	4,192	13,990,409
Metals and Metal Compounds*	6,698	120	6,818
Non-metal TRI Chemicals**	13,979,519	4,072	13,983,591
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	11,782,046	21,600	11,803,646
Total Transfers Off-site for Further Waste Management/Disposal	43,729,193	1,114,049	44,843,242

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

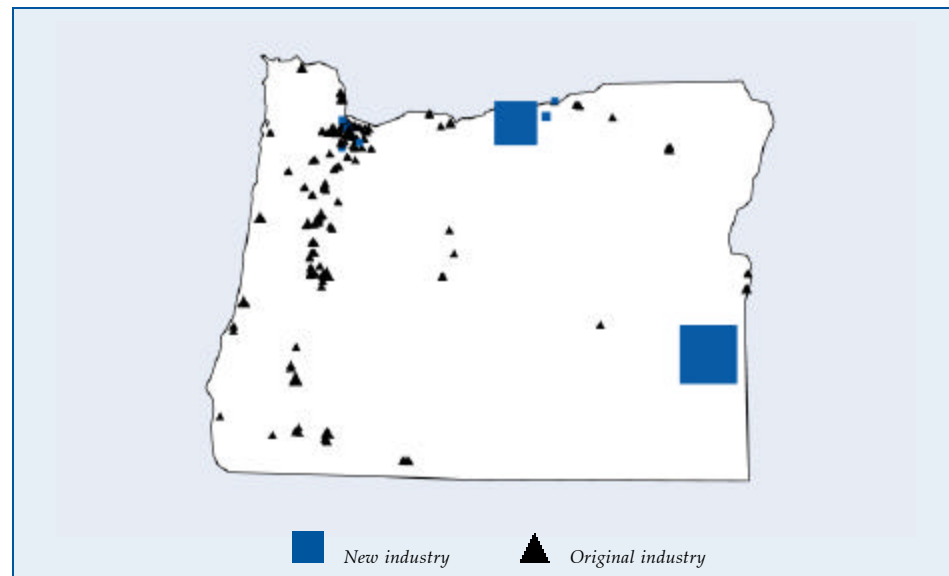
Bob Albers
(503) 378-3473, ext. 262
Fax: (503) 373-1825

EPA Regional Contact:

Christina Colt
(206) 553-4016
Fax: (206) 553-8509

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Oregon. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	3,281,974
Square Miles	96,003
Total Facilities	275
Total Forms	921
Form As	141

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	31	24	29
Pounds	23,262,592	31,878,215	55,140,807
National Rank for Total On-site Releases**			
Rank	31	24	28
Pounds	21,392,056	31,856,544	53,248,600
National Rank for Total Releases within State***			
Rank	31	24	29
Pounds	24,246,247	31,877,297	56,123,544
National Rank for Production-related Waste Managed			
Rank	27	26	32
Pounds	248,363,068	46,928,717	295,291,785

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1998 Toxics Release Inventory

OREGON

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	81,449	17,146	0	4,120	8,285,862	8,388,577	23,672	281,345	8,008,649
67-56-1	Methanol	6,751,554	154,055	0	153,864	9,431	7,068,904	0	9,426	5
—	Nitrate compounds	0	2,247,063	0	372	668	2,248,103	521,900	668	0
—	Manganese compounds	14,357	56,464	0	449,287	1,506,593	2,026,701	1,008	194,224	1,312,369
7664-41-7	Ammonia	1,843,532	57,547	0	99,515	18,373	2,018,967	17,176	18,313	60
—	Nickel compounds	21,207	66	0	1,581,740	41,367	1,644,380	100	40,505	9,968
100-42-5	Styrene	1,352,088	0	0	0	0	1,352,088	0	0	0
78-93-3	Methyl ethyl ketone	1,057,925	250	0	0	397	1,058,572	665	17	380
50-00-0	Formaldehyde	914,631	1,765	0	56,166	4,652	977,214	894	4,652	0
—	Lead compounds	2,791	314	0	0	856,946	860,051	16,530	42,155	814,791

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Manganese compounds	594	0	0	16,568,513	0	16,569,107	0	0	0
1332-21-4	Asbestos (friable)	102	0	0	6,810,206	0	6,810,308	139,432	0	0
7429-90-5	Aluminum (fume or dust)	0	0	0	1,840,081	0	1,840,081	0	0	0
7439-92-1	Lead	0	0	0	1,216,982	0	1,216,982	0	0	0
7440-43-9	Cadmium	0	0	0	1,068,689	176	1,068,865	0	0	176
—	Copper compounds	324	0	0	979,401	1,267	980,992	0	0	1,267
—	Barium compounds	8,805	0	0	699,155	0	707,960	0	0	0
—	Lead compounds	281	0	0	386,395	0	386,676	30	0	0
8001-58-9	Creosote	0	0	0	320,451	0	320,451	0	0	0
—	Zinc compounds	1,385	4	0	240,593	3,640	245,622	0	169	3,520

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1998 Toxics Release Inventory

OREGON

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Weyerhaeuser Co., Springfield, Lane	1,893,915	34,114	0	0	0	0	1,928,029	5,125	0
Glenbrook Nickel Co., Riddle, Douglas	17,350	15	0	0	0	1,545,032	1,562,397	0	0
Imation Enterprises Corp., White City, Jackson	1,116,600	0	0	0	0	0	1,116,600	5	1,060
International Paper, Gardiner Paper Mill, Gardiner, Douglas	1,047,050	24,908	0	0	0	431	1,072,389	0	0
Wacker Siltronic Corp., Portland, Multnomah	8,098	1,046,491	0	0	0	0	1,054,589	0	0
Georgia-Pacific West Inc., Toledo, Lincoln	905,807	44,718	0	0	24,600	0	975,125	0	0
Willamette Inds. Inc. Albany Paper Mill, Albany, Linn	803,707	36,504	0	0	0	10,772	850,983	0	0
Boise Cascade Corp., Saint Helens, Columbia	760,215	0	0	0	0	0	760,215	19,208	0
Oregon Metallurgical Corp., Albany, Linn	63,001	688,000	0	0	0	0	751,001	0	0
Pope & Talbot Inc., Halsey Pulp Mill, Halsey, Linn	535,200	98,550	0	0	0	0	633,750	2,850	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kinross Delamar Mine, Jordan Valley, Malheur	10,460	0	0	0	0	18,179,396	18,189,856	0	0
Chemical Waste Management of The Northwest Inc., Arlington, Gilliam	4,263	0	0	0	6,105,389	6,723,810	12,833,462	0	9,851
Boardman Plant, Boardman, Morrow	125,780	0	0	0	0	620,005	745,785	0	0
ARCO Prods. Co. Portland Terminal, Portland, Multnomah	19,612	2	0	0	0	0	19,614	0	0
Tosco Portland Terminal, Portland, Multnomah	14,410	36	0	0	0	0	14,446	120	0
Van Waters & Rogers Inc., Portland, Multnomah	11,072	0	0	0	0	0	11,072	0	0
Chemcentral/Portland, Portland, Multnomah	11,048	0	0	0	0	0	11,048	0	0
Chevron Prods. Co. Willbridge Terminal, Portland, Multnomah	10,665	0	0	0	0	0	10,665	49	0
Equilon Portland Terminal, Portland, Multnomah	4,500	0	0	0	0	0	4,500	0	1,250
Great Western Chemical Co. — Portland, Portland, Multnomah	2,785	0	0	0	0	0	2,785	10,450	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1998 Toxics Release Inventory

OREGON

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Cascade Steel Rolling Mills, Mc Minnville, Yamhill	0	222,295	0	0	0	0	6,666,304	6,888,599	0
Oregon Steel Mills Inc., Portland, Multnomah	0	0	0	0	0	0	3,595,530	3,595,530	0
Weyerhaeuser Co., Springfield, Lane	40	70	2,804,300	486	2,380,000	0	1,976,209	7,161,105	0
Glenbrook Nickel Co., Riddle, Douglas	0	0	0	0	0	0	1,562,382	1,562,382	0
Imation Enterprises Corp., White City, Jackson	1,149,600	37,600	1,169,000	465,500	2,171,700	69,000	1,117,505	6,179,905	0
International Paper, Gardiner Paper Mill, Gardiner, Douglas	0	0	173,900	0	1,418,240	0	1,072,330	2,664,470	1
Wacker Siltronic Corp., Portland, Multnomah	0	0	0	0	1,500,000	106,000	1,008,090	2,614,090	0
Georgia-Pacific West Inc., Toledo, Lincoln	0	0	0	0	1,011,200	0	974,000	1,985,200	0
Willamette Inds. Inc. Albany Paper Mill, Albany, Linn	0	0	497,000	0	2,225,310	0	848,337	3,570,647	0
Boise Cascade Corp., Saint Helens, Columbia	339,300	0	629,800	0	0	9,012,200	776,950	10,758,250	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Chemical Waste Management of the Northwest Inc., Arlington, Gilliam	0	0	0	0	364,676	559,298	23,928,529	24,852,503	47
Kinross Delamar Mine, Jordan Valley, Malheur	2,530,269	0	0	0	0	0	18,196,996	20,727,265	11
Boardman Plant, Boardman, Morrow	0	0	0	0	0	0	745,760	745,760	0
ARCO Prods. Co. Portland Terminal, Portland, Multnomah	0	0	0	0	0	0	19,617	19,617	0
Tosco Portland Terminal, Portland, Multnomah	0	29	0	29	1,455	401,123	14,308	416,944	0
Great Western Chemical Co. — Portland, Portland, Multnomah	0	0	0	4,761	9,700	1,151	11,710	27,322	0
Chemcentral/Portland, Portland, Multnomah	0	0	0	0	0	0	11,200	11,200	290
Van Waters & Rogers Inc., Portland, Multnomah	0	0	0	0	2	0	11,062	11,064	45
Chevron Prods. Co. Willbridge Terminal, Portland, Multnomah	0	0	0	0	0	420	10,440	10,860	1
Equilon Portland Terminal, Portland, Multnomah	0	0	0	0	0	231	4,070	4,301	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.